

WHAT IS CLAIMED IS:

1. A servo pattern recording method for recording a servo pattern, to be used for detecting position information of a head on a magnetic disk mounted on a magnetic disk unit, on the magnetic disk by use of the head having a write element for writing information on the magnetic disk and a read element for reading information from the magnetic disk, comprising the steps of:

recording a first servo pattern for detecting position information of the head; and

recording a second servo pattern by detecting the position information of the head based on the recorded first servo pattern and by positioning the head to a target position based on the detected position information, wherein:

position information of the head detected in the second servo pattern recording step is recorded on the magnetic disk.

2. The servo pattern recording method according to claim 1, wherein the second servo pattern and the position information of the head detected in the second servo pattern recording step are recorded in a plurality of areas which are arranged in a circumferential direction of the magnetic disk and are separated by data areas.

3. The servo pattern recording method according to claim 1, wherein the position information of the

head detected in the second servo pattern recording step is recorded on the magnetic disk during the second servo pattern recording step.

4. The servo pattern recording method according to claim 1, wherein:

the position information of the head detected for a loop of track in the second servo pattern recording step is stored in a memory, and

the position information stored in the memory is recorded on the magnetic disk after the second servo pattern recording for the loop of track is finished.

5. A servo pattern recording apparatus for recording a servo pattern to be used for detecting position information of a head on a magnetic disk load on a magnetic disk unit, on the magnetic disk by use of the head having a write element for writing information on the magnetic disk and a read element for reading information from the magnetic disk, comprising:

means for recording a first servo pattern for detecting position information of the head; and

means for detecting the position information of the head based on the recorded first servo pattern and recording a second servo pattern for positioning the head to a target position based on the detected position information, position information of the head detected in the second servo pattern recording means being recorded on the magnetic disk.